AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A turbine shroud segment attachment with a casing and several shroud segments arranged in the casing, wherein the individual shroud segments are located in the casing with a circumferential clearance between adjacent individual shroud segments, the clearance being reduced to zero at a given temperature difference between the casing and the shroud segments, and the shroud segments being retained on the casing by way of an elastically deformable locating arrangement, wherein an axial clearance is provided between the casing and the locating arrangement, the locating arrangement comprising locating elements, each locating element being formed as a single component with a respective shroud segment such that each shroud segment includes at least one locating element.

2. (Cancelled)

3. (Currently Amended) A turbine shroud segment attachment in accordance with Claim 1~~2~~, wherein the ~~locating arrangement comprises~~ locating elements are of essentially T-shaped cross-section with specifically inclined and shaped sideward arms.

4. (Cancelled)

5. (Currently Amended) A turbine shroud segment attachment in accordance with Claim 14, wherein a width of a radial gap between the shroud segments and tips of

rotor blades is set by at least one of the clearance and an elasticity of the locating elements which retain the shroud segments on the casing.

6. (Currently Amended) A turbine, comprising:

a casing;

a plurality of shroud segments positioned circumferentially adjacent each other around an interior of the casing;

a plurality of locating elements for retaining the shroud segments to the casing;

wherein, a clearance is provided between each shroud segment and at least one of the casing and an adjacent shroud segment and elimination of the clearance by thermal expansion of the components of the turbine fixably clamps a portion of each shroud segment with respect to at least one of the casing and an adjacent shroud segment such that further thermal expansion of the shroud segment moves a portion of the shroud segment positioned adjacent a turbine blade path radially outward, and comprising an axial clearance between each shroud segment and the casing, and wherein, upon elimination of the axial clearance between each shroud segment and the casing, a portion of each shroud segment is clamped with respect to the casing.

7. (Original) A turbine as in claim 6, wherein the clearance is a circumferential clearance positioned between adjacent shroud segments.

8. (Original) A turbine as in claim 7, wherein the locating elements are elastically deformable and can resist radially outward movement of the portions of the shroud segments adjacent the turbine blade path, and, upon elimination of the circumferential clearances between all of the shroud segments, the shroud segments are clamped together as a ring and maintained as a ring by the resistance provided by the elastically deformable locating elements.

9. (Cancelled)

10. (Currently Amended) A turbine as in claim 8~~9~~, wherein the locating elements are integral with the shroud segments such that each shroud segment includes at least one locating element.

11. (Original) A turbine as in claim 8, wherein the locating elements are integral with the shroud segments such that each shroud segment includes at least one locating element.

12. (Original) A turbine as in claim 11, wherein the casing includes at least one groove and a portion of the locating element is positioned in the groove.

13. (Cancelled)

14. (Currently Amended) A turbine as in claim 6~~13~~, wherein the locating elements are integral with the shroud segments such that each shroud segment includes at least one locating element and the portion of the shroud segment clamped with respect to the casing is the locating element.

15. (Original) A turbine as in claim 14, wherein the casing includes at least one groove and a portion of the locating element is positioned in the groove such that the axial clearance is located between a portion of the groove and a portion of the locating element.

16. (Original) A turbine as in claim 15, wherein each locating element has a central member and two cross arms extending radially inwardly and axially outwardly from a radially outward portion of the central member and outward portions of the cross arms are the portion of the locating element positioned in the groove.

17. (Original) A turbine as in claim 16, wherein, upon elimination of the clearance between the cross arms and the groove and the clamping of the cross arms to the casing, further thermal expansion of the cross arms in a radially inward and axially outward direction is substantially prevented.

18. (Original) A turbine as in claim 17, wherein the clearance is reduced to zero at a given temperature difference between the casing and the shroud segments.

19. (Original) A turbine as in claim 6, wherein the clearance is reduced to zero at a given temperature difference between the casing and the shroud segments.

20. (Original) A turbine as in claim 8, wherein the clearance is reduced to zero at a given temperature difference between the casing and the shroud segments.

21. (Currently Amended) A method for attaching turbine shroud segments to a turbine casing, comprising:

retaining the shroud segments in the casing in a movable manner;

providing a clearance between each shroud segment and at least one of the casing and an adjacent shroud segment;

eliminating the clearance by thermal expansion of the shroud segment such that a portion of the shroud segment is fixably clamped with respect to at least one of the casing and an adjacent shroud segment such that further thermal expansion of the shroud segment moves a portion of the shroud segment positioned adjacent a turbine blade path radially outward, wherein an axial clearance between each shroud segment and the casing is provided and upon eliminating the axial clearance between each shroud segment and the casing, a portion of each shroud segment is clamped with respect to the casing..

22. (Original) A method as in claim 21, wherein the clearance is a circumferential clearance positioned between adjacent shroud segments.

23. (Original) A method as in claim 22, and further comprising retaining the shroud segments on the casing with elastically deformable locating elements that can resist radially outward movement of the portions of the shroud segments adjacent the turbine blade path, wherein, upon eliminating the circumferential clearances between all of the shroud segments, the shroud segments are clamped together as a ring and maintained as a ring by the resistance provided by the elastically deformable locating elements.

24. (Cancelled)

25. (Currently Amended) A method as in claim 21~~24~~, wherein a width of a radial gap between each shroud segment and the turbine blade path is set by at least one of adjusting at least one of the clearances and adjusting an elasticity of the elastically deformable elements.

26. (Original) A method as in claim 23, wherein a width of a radial gap between each shroud segment and the turbine blade path is set by adjusting at least one of the clearance and an elasticity of the elastically deformable elements.

27. (Original) A method as in claim 21, wherein the clearance is an axial clearance between each shroud segment and the casing and upon eliminating the axial clearance between each shroud segment and the casing, a portion of each shroud segment is clamped with respect to the casing such that further thermal expansion of each shroud segment is directed radially outward.

28. (Original) A method as in claim 27, wherein a width of a radial gap between each shroud segment and the turbine blade path is set by adjusting the axial clearances.

29. (Original) A method as in claim 28, wherein the clearance is reduced to zero at a given temperature difference between the casing and the shroud segments.

30. (Original) A method as in claim 21, wherein the clearance is reduced to zero at a given temperature difference between the casing and the shroud segments.

31. (Original) A method as in claim 23, wherein the clearance is reduced to zero at a given temperature difference between the casing and the shroud segments.